

## ABSTRACT

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The invention provides a system and method for easy and reliable connection of patient-originated medical data through a simple port of a computer to a dedicated web site. A device originating medical data, such as an implanted pacemaker, downloads data into a transmit/receive device, and the data is then transformed in an interface unit to be accepted by a simple port of a computer, e.g. a keyboard port or a mouse port. The patient logs on to a dedicated web site, and transfers the data along with typed input to the web site for analysis. Following analysis, a reply message is sent back to the patient, which may include a control instruction for modifying or reprogramming the operation of the device that is used to originate the medical data. For a pacemaker application, the data transformation is done at a simple interface unit that is portable and easily manipulated by the patient. For other applications such as monitoring data from a diabetic, the data is transformed by the interface unit, and may be stored daily in the PC and transmitted to the web site after collection of a predetermined number of days of data.

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